WESTERN

UNITED STATES DISTRICT COURT

DISTRICT OF

PENNSYL VANIA

	LL TECHN			
and MA	RVELL SE	MICOND	uctor,	Case Number: C.A. 09-290
RESIDING JU	DGE			PLAINTIFPS ATTORNEY DEFENDANT'S ATT DRNEY
NO	RA BARRY	FISCHER	11-7 09	DOUGLAS GREENSWAG, ESQ., et al. EDWARD DEFRANCO, ESQ., et al.
IAL DATE (30 12 3 /	s) 11-28, N- 164.12-5 (2/12/01	2-11, 12-12	COURT REPORTER: COURTROOM DEPUTY J. C ALOVICH
-17,12-12 PLF: 12	DEF. DATE	20/12	-21/12	1 ⁻² 6.
1317		MARKED /	ADMITTED	
P-)	11-28-12	V		U.S. Patent No. 6, 201, 839.
P2	11-28-12		V	U.S. Patent M. 6, 4313, 180.
11912	11-28-12			Sunmary (vin Stiphlarian) of CINCUITS
P201	11-2812			EMail of 10-24012 from Sheed you Brennan
P209	11-28-12	· 1/	1	Presentation: Data Storage Pridict Manning
PZC8	11-28-12	/	/	loverber rece manel Presention
PZZI	11-18-12	/		E-Mail Exchange Someen & Bund + T. Doan
P240	11-25-12	1		E-May / Fran B. Cooper to N. NATAM (571-01)
1279	11-8-12	_		Grail From G. Brist to T. Dann, to Han
P.196	112812			Lab Noreleak Norelock No. 00083
P280	11-75-12			E-Mail Even Go. Burd to N. Nazan T. Por
P283	11-28-12	1		E-Mail Fram G. Bund to T. Pagneral
1285	H28-17	<i>J</i>	/	E-Mail Frant. Gran to N. Nazan
P304	11-28-12			E-May from N. No zari to M. O'Pell
P310	11-28-12	/		May ZERZ-E-Mail Exchange
P373	V28-12	/	/	navel Presentation note I Entro to love
P320	1128-12	- V	/	E-Moil From M. O'Dell to B. Brennen
P607	11-28-12			2. 6-07 Email From G. Burn to N. Natar
P703	11-28-52			8-8-08 E. Mail Fran P. Fang
C270	WILL	/		12.17-09-Marvel/ Resentation
<i>o</i> -	7 1178-12	V/	//	come magnetics Tech on Assoc. Agreeme
	9 11-28-1	L V		e case file or not available because of size.

№AÒ 187A (Rev. 7/87)

CAR	NEGIF	E MELLON	1 UNIVEI	RSITY v	CASE NO. CA. NO. 01-290 vs. MARVELL TECHNOLOGY GRP, et al.	1
PLF. NO.	DEF. NO.	* DATE OFFERED	MARKED			
		11-2812			CMU 155C DSSOCIATES Agreements- CMU+MINNESCHA MINING	
	187	112812	1		U.S. Patent N. 6, 282,251 to Worstell	ĺ
	210	11-28-12			E-Mail Re: "I Love WO" from J. Sheedy	l
		11-28-12			EMail From Kavere to Moura RP. Paren	l
	213	11-28-12		/	E-Mail For B. B. h. h. Te to Moura	İ
	//> 2 <u>.</u> <u>\$</u> \$	11-2872			Subscription Derement - CMINI + Intel	Ĺ
	44 /	11-28-12			E-Mull Fran R. Wieldondgerto Akay, etg/	,
	0×	112812			E-Mail From R. heald vidge To M. Lank Volde	fea
	756	11-28-12			U.S. Patemo No. 1, 931, 585 ro, Burd, exd	/
	272	11-28-12	/		Spreadsheet-Highly Speenly THE STREAM	MS
	787	11-28-12			U.S. Parent No. 7 155,660 re Bund	ĺ
	0× 310	11-28-12	//		Article: The Read Channel	l
	419	11-28-12	/	/	La Jolly Feature List	İ
	1023	11-28-12	/		E-Mall Fran A. Kavic to N. NAZAVI	i
		N-28-62	<u> </u>		Provisional Application 60/345,725	i
		112812	1	/	Moura handwnigen Noves	i
	18 18	11-28-12	<u> </u>		com enrellectual Property Policy	i
	PX -/338	112812			Link re "Marris Prite"	i
p43)		112512	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		cetter to M. Glas from c. Manter 8-5-200	93
72		##tc			Propriette To P. Julantia Chem	mark.
154		11-29-12	~	1	3/10/1997 Coursendence in: disclosure of invento to M. Cotic	chr
169		11-29-12		V	May 1998 Ashah by Kivail / Maria Correlation-Susah	ا مسر سد ا
P 83		11-29-12	'		Jan 2000 Art. by Lavar/Maria Vitel Algrother & Med	Roma
	DX 214	11-29-12			Email A/13/03 Maura in Knowic re: Moura-Kener Algo	ryth
	1522	11-29-12		/	5/16/61 handritten ades of Dr. Marga	į
	趾	11-29-12		<u>//</u>	Email from Cavere to Move re; Patent (alimited)	ı

♦AO 187A (Rev. 7/87)

CAR	NEGII	E MELLON	UNIVER	CSILA A	s. MARVELL TECHNOLOGY G (P, et al.
PLF. NO.	DEF, '	DATE OFFERED	MARKED	ADMITTED	DE: CRIPTION OF EXHIBITS
	DX 246	11-29-4		V	7/6/04 Email from KENCIC to Monro is need to talk to
	8X 306	11-29-12	V		6/08 Email from Knuize to Many et al.
	JUA	11-29-12		V	115/05 Email from Kuveic to Maura
	[a. /	11-29-12			Print out of Maria 2012 website
21	9× 23+	11-29-12	/		Print out of Moura 2010 website
	OP 1	11-29-12	_	V	# 85 43 ADO MONT Physical EXLIFT
	PP Ž	11-2412	/	V	# 5 3 13 - Physical Exhib. + 2
	DX 189	11-30-12	\ <u></u>	V	10/8/01 email from Karcic to Moerce, H. Mendez
	1023 X	11-30-12	•		(Already in evidence -)
	D> 4	11-30-12	\		Article: Target 151 eight by Voucic Portion He
m		11-30-12		/	8/5/03 Letter from CAU (Mehler) to Marvell (Suture
	DX 1380	11-30-12	,		Karcic Ex. 27 code.
	X33	11-30-12	\	V	Article: Matched Model Deketin in HD Recording by
17		11-30-17	/		2/1/03 March 2003 engil excherge blw W + Kartic
44		11-30-12	V	~	E-Mail Fran B. Cooper N. 1/4 Tari
97		11-30-12	/	V	Bond of Preciers Mrg. Dotty STORED MARKETIN 31902
140		11-30-12	~	V	- Already Admired 11-28-12
531		11-30-12	~	V	DATE STENDER Week & STATUS RCT. 5-12-02
333		11-30-12	V	1	PATE STORES Week & STOTENS R. 8-19-02
3		127-12			KaveicViterbi.cpo
10 P		12:3:-12	V		Karcic P. cpp
68 0		12372			FMailRe: Clarge instructions dared 1-210
72	-	12:3-17			88C75CCM V. 20 Trellis Cale Noise Projection
23		12-3-12		1/	"Chip 5+1p" (Oky. 1983)
P 108 P		12-312			media Neise Processor by G. Burg
66		12:372			EM. 1 Fran &-Ning Wes. 10 T. Down (1-10-03)
P 96		12-3-12	$\sqrt{}$		Nonlinear VITEB DETECTIVADD. NOC(12-13-0
					Page 3 of 9 Pages

ŠAO 187A (Rev. 7/87)

	CAPI	NECH	MELLON	. I IMIWEE	OUTV U	CASE NO. CA. NO. 09-290 s. MARVELL TECHNOLOGY GRP, et al.	
	PLF.	DEF -	DATE				
	NO.	NO.	OFFERED	MARKED	ADMITTED	DE SCRIPTION OF EXHIBITS	
	0-		27-17		/		
٠	P-		12372		V	NCViterbi.cpp	
١,	99		12-3-12	\ \ \ _	ν	mnpBank.cpp	
^	89		123-10			emp Bank. CPD	,
	93	2 8	280		==9	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	
٠	-52	,	12777		1	Marvell presentation-Analysis-Design 1/11ers Des	cly
	P-341		12-3-12			E-Mail dared 9-19-02	
	P 1918		123-12			Marvell Instructs It's Custamer How to WRE PECUSPUMNETNLD Chips in Enfingers May	for 11
	1919			/		Programmy Instructions for NID Made	NO.
	1914		ルテル	2		Summare of Bunde of E-Mart."	
. [PIGS		17-3-12			Jumman of 1080. on NLD Type Chips	
.	P-		12-3-12			STG-YMKON Channel Parameter File	
٠	P-		17-2-17			Firmware Surman Chart (MRP TYPE C)	IN
	P 18		17-7/7	1/		12-28-01 = mail Even a. Brief to T. Porm. exal	
	ρ. 10.5		12312	1/			Z a , ,
	P-		123-10			Non-Linear Single Bri Resit rocessor	MV
	253		12-7-17			by G. Burel	
	1084		12-2/7		1/	TROVOCDANE SAL	
. 1	932		12312		1	Presentation channel Technology, neering WolMayvell dated 67-02 Bill Brennangerol	TCij
Ì	314		12412			WOMANUS dated 67-02	
-	325		12-410		7	5 - 1 - 5 - 1 - 3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
-	406		2412	V		E-Mail From S. Hnong 10 2. Wu, eta).	
ļ	19/6		12412	<u></u>	//	use IMM-Type ships or Simulatous chan	
	191	,	12412			Charr-Use of NLO Types Chy's or Simulation	
	1920		12412			Char-Manell's Enst morions/Recommendation	e: W .
	1922		12717			Chart Morrells Insmension/Recommendation Re Nie Chip	פנות
·	P. 506		12-412	- /	/		-
•	198		12-417	- /		6-23-00 Harvell Tech Group Link 5-1 Registration Statement.	

◆AO 187A (Rev. 7/87)

CAD	NIE CH				CASE NO. CA. NO. 09-290
PLF.	T	E MELLON DATE	UNIVER	CSTTY V	s. MARVELL TECHNOLOGY G RP, et al.
NO.	DET NG.	OFFERED	MARKED	ADMITTED	DE: CRIPTION OF EXHIBITS
	ļ				
ρ. 5 <u>03</u>	 	12412	المحا	4	C-Mail Re. Summary of Samsun; 1sty. (2-1-07)
<u>ም</u>		12-412	کسار	//	Nen/inear Virerby Design Specificatings by H. Sorg
P- 189		12-1/2	V,	1/	Engail From G. Burd to Blown, etal U-18-02)
р- 308	1	2-412	V	V	Curline RE: Perection in Riesence Media Noise 1570
	0x- 231	12.472	- 1/	V	Letter From C. Minhler to H. Lyndrang.
	0×-	12417	V		Letter Fin C. Mahler to P. Alexopoulus
	OX	12-472	-		Letter From Clapter To Hah Sw-Lef
	174-	12-47	Ø.	1	Concerrer to hoster Digital
	/X	12-4-17	V		CMU Lever to HITACH
	025	12-4-12	-i/		MU Letter to Toshia
P-	25	<i>(C / V</i>			Oura Starge Weekly Status RA.
P- 51					
<u> </u>	0X -218				France "La Sella A Il Front Grand Cage
	PX-			./	many li Date Sterail WECKLY STATAS RPT. EV
	1537				week ending 6-17-03.
P-					
89/			/		Email from M. O'lell to B. Brennent F. Yasulan
	1141		V		Toshiba HGST Concerns
P 130					Ref. In yeu Depo-Sin Tukon Burnereus Fix
Pa	and Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Constitution of the Co	and the transfer	the Bakers that you a transmission is	etalysee al	Ref In yeu Revo- STG-AZTC Channel Parant
700					Ref. in yeu Delo - CLUTC Channel Pavar. File
128 128					
58 P-).//	,/	Rec in year left 58,9045 120- Specification of the year Pope 405 en 170 Channel Parantil
48					Roa See Deno-Dines Channel Paren - File
P	1 1			V	w pec vept. / viles worker i a con + FITE
7/		ميد الحديث المجموعية		·	Par eith along the hold of Printer
17/ 133		and the second			Res li les de por Me kente Channel forvar Fit
P-87 57 57 57 57 57 57 57 57 57 57 57 57 57		, and 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		V	Rec is yes deport and I fond wing Rec in yes deport more I from A wing Rec in yes deport reviel presentation

•AO 187A (Rev. 7/87)

CAR	NEGIE	E MELLON	JINIVER	 VTI29	CASE NO. CA. NO. 09-290 rs. MARVELL TECHNOLOGY GRP, et al.
PLF.	DE.	DATE			
NO.	NO.	OFFERED	MARKED	ADMITTED	DE: CRIPTION OF EXHIBITS
3		125-12	1./	./	National Science + Technology STANTE VET in a Global
133 P 61		12512		1	Email exchange birwered M. Kinder
61	DX		7	4	C. Porte (4-2997)
	DV	125-12			Marveli Seagare Design Reisew
		12512		1	055C Letterto Séagote
	0X-	16010			Anido-Intervew of Pr. Knider Swenter Emouation Transfer Center April (smencar
	1084 0×				RPT FOX FOSCAL YEEN WOL.
	OX	アジル		1	Cerrer France Mahler r. D. Tako shipm
	OX	125/2			Cerrer From C. Mahler to Dr. D. Baral
	2	125/2		<u></u>	Cerra from C. Mahler To I. Kaman
	OX	12-5-12	/		Letter for C. Mahler to J. Best
	234 ex	ルケル	V		Cetter from C. Mahler to f. Alexapully
P	1573	125-12	1	V	Letter from Mahler re Alexis Lee: Re: Pasen Weng
31	ex	12547	V	1	Cetter France Minh lev to M. Golos
	1604	125-12			Cerrer anted :-7-95 to C. Christiano
	0× 350 0×	12-18-12		1	CMU anversity Missions (Refined 12-18-12
	1605	12512		V	My Policies/Proced Myres
	273				rei Haghty Speculative VI.C :- 16-06>15
	299	725-12	1		F-mail From B. Mullolland to D. Jesiencusty, eta
	0X- 1552 0X	12:542		1	5-Multima R. buddinge re B. Mulhelland exp
	305	12-5-12	1/	V	E-Mail Even T. Brans rad to R. Montandge
8	1506	12-542		\bigvee	Cerreryo Or Christiana dired 11-11-93
98					From Drystons Video Pero- Nor Plentille
20		12572	V	/	transming luce sept mainell Prossite e
2/		125.12	1	1	From Armonang Me Allo-vensielene 6-17-10
77		12512	V	1	Frankristrang Code Departerer r. Marsell Fan J Suman
97		アシア	V	V	Frankriscer-Video Dept-License Agreement 4:8-00
					Page 6 of Pages

AO 187A (Rev. 7/87)

EXHIBIT LIST - CONTINUATION

CAR	NEGI	E MELLON	N UNIVEI	RSITY v	case NO. CA. NO. 09-290 /s. MARVELL TECHNOLOGY GRP, et al.
PLF. NO.	DET. NO.	DATE OFFERED	MARKED		
270		12747			movel Presentation: Board of Directors neering Porton Storage Sales (12-4-00)
67	<u> </u>	122-12	1		October 2, 2001 Para Storgge Weekly Strow Ry
735		12712	- 2	W	Board of Pirectors Mg. Rpt. (8-20-01)
128		-			manel/Presentation Tirked IBMT- 1759mg
204		12-7-12	. /	1	Marvell Resentation Marvill+ Jic Paris Found
18		12712	1		Marvell Presenta m. Seagure (xnamery Rew
738 P		1210-12	1		Parel Storage weekly Status Report for week
133		P=1012			Fran T. Ocen Depo - E Mail From F. Born (1-3-02)
81 138		12/172	1		
95		12-1772			Stipulation of Course (Read into record by Gi,) which were enroll on-csst Microcon redia Noise set com Rign Revier
1201		12-11-12			Jignal Processim Madage (6-2007)
36 <u>3</u>		12-11-12	<u> </u>		Email From B. Copper of M. Minddler 02)
915		12-11-12	V	V	marcell exchertion for ghi tersumance
36	PX				Silicon Solutions on Bracological Com's - Applications
	1511	12-11-7	1	1/	+ 10105 C
	OX	124172	1.	V	MOST/MONE TECHNOLOGY /1/19 (3-10-03)
	152S	721612		4	Channel Mar senglas F 56/Man 1984
\dashv	6X	127/12		1	SCC Produce Technolog Warder Hirady Present
	13/1 CX	11/12		1,/	JC-575M/C750aM Meder Louis Defenseson
	图	127/72			Lee + C, of C." Per 63 mance May 1815 "Paper
	PX	12/1/2	V		Zeng+ Moon: Modified Vravi Nagisthm?
57		1212-12	-/		Pages From Website of Mr. Hoffman
7	9× 1607	27212	/		-Lot of moreor reviewed by Mr. Hobbino
829		121212			Article by Creichton Hobbman W. Green

Page 7 of Pages

• AO 187A (Rev. 7/87)

EXHIBIT LIST - CONTINUATION

CAR	NICCII	E MELLON		OLONA	CASE NO. CA. NO. 09-290
PLF.	DDF.	DATE			s. MARVELL TECHNOLOGY GILP, et al.
NO.	NO.	OFFERED	MARKED	ADMITTED	DESCRIPTION OF EXHIBITS PICE COMPANSING
	1608 0x		1		Report 1 Mr. Ft. From - Accused Non Axensa
-	1609	12/3-12	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		exhibit Gur Mr. Stobbr ans RPT Exh. E Product Volum
-	1610	12-13-12		V/	Chart of Mr. Lawton - (5-hedule 38)
-	185	RB-12	1/		PSSCLETTEN TO BBM
		127342	/	1/	Errail Bown S Lin To C. Vance et a (5-1-03)
	1560	12-15-12		V	Email ATTAChment - g3mnpgain.x15
882		121312			Grail From N. Nazavito I. Bagai
950				/	has not when the
925					Expert ROT. JR. Blahar
	DX-340	124742	1		File Horrory JU.S. Parent No. 6,201,839
	ay-	12-17-12		1/	File History MAS. Patent No. 6, 138, 180
	04	1217-12	V		E.May I from F. Burel to T. Com
	0%	12-17-17	V	/	
-	10%			V	
P-	10/9	RITIZ			Emal From G. Bungl to Nortani Re: Med. Nucles
872 P		127977			FIE Hostory Co US. Covent N. 6, 191585 Silver
198					6-23-Ce regis statements
		12-1917		<i>J</i>	Joint Exhibit A Transcipi of Depo. 125 19 har, chr
					of Willian Brennar (Played 1130-12)
		12-19-12	- /		Jun-Exhibit B: Transcript of Defis. Designation
					of Tek- yeo (played 12472
		12-19-17			June Exhibit C Transeript of Depo: Designation
					of Alina Armorry played Rosez
		12-19-12			Joint Exhibit P.1: Transer At a Rege Designation
					-06 ton Downsplayed it 1000
		12912			Junt Exhibit 0-2 Transcript of Depo. Desgration
		,	_		of Toai Dean (played 12-10ta)
I					

Page 8 of 8 Pages